

### **DETAILED ACTION**

1. Applicants' amendment filed December 10, 2007 is acknowledged. Claims 1-6, 9-12 and 32-36 are deleted. Claims 7-8 and 13-31 are withdrawn with Claim 16 being amended. Claims 37-39 are added.

2. In view of Applicants' argument/amendment, Examiner has reconsidered the restriction requirement regarding the instant application and has decided to give an action on the merits for Claims 16-20 and 22-31. Now, Claims 16-20, 22-31 and 37-39 are pending for consideration.

### ***Examiner's Amendment***

3. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

4. Authorization for this examiner's amendment was given in a telephone interview with Mr. Gregory M. Lefkowitz on February 11, 2008.

The application has been amended as follows:

Delete Claims 7-8, 13-15 and 21.

Replace the whole contents of Claims 16-20 and 22-31 with the following claims, respectively:

16. A method of making a molecule useful for making a silicon-containing polymer, the method comprising the steps of:

(a) preparing a reaction mixture comprising a carbosiloxane monomer, a carbosilane monomer, a chain-end crosslinking molecule<sub>2</sub> and an ADMET catalyst; and

(b) placing the reaction mixture under conditions that result in the production of the molecule selected from the group of molecules consisting of the molecule<sub>of</sub> claim 37 and the molecule of claim 39.

17. The method of claim 16, wherein the reaction mixture comprises the carbosilane monomer and the carbosiloxane monomer in a molar ratio of between about 1:5 and 1:100.

18. The method of claim 17, wherein the molar ratio is less than about 1:7.

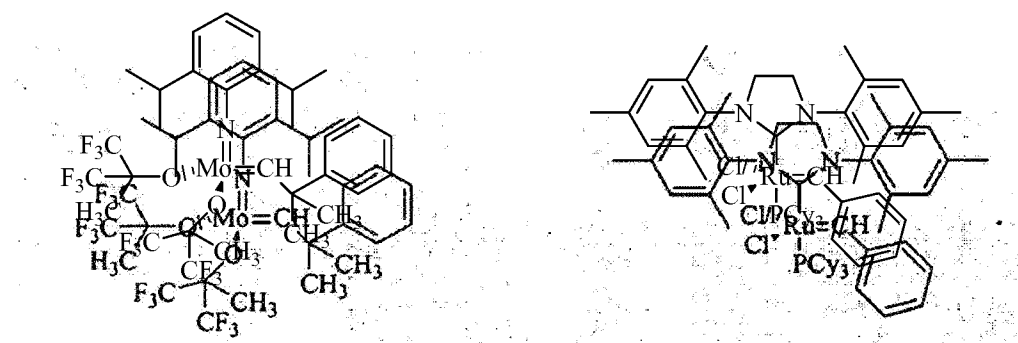
19. The method of claim 16, wherein the reaction mixture comprises the monomers and ADMET catalyst in a molar ratio of between about 1:1 and about 5000:1.

20. The method of claim 19, wherein the reaction mixture comprises the monomers and ADMET catalyst in a molar ratio of between about 1200:1 and about 100:1.

22. The method of claim 16, wherein the reaction mixture comprises the carbosilane monomer, the carbosiloxane monomer, and the chain-end crosslinking molecule in a molar ratio of about 1-100:1-100:1-100.

23. The method of claim 16, wherein the reaction mixture comprises less than 20 mole percent of the carbosilane monomer and the chain-end crosslinking molecule.

24. The method of claim 16, wherein the catalyst is selected from:



25. The method of claim 16, wherein the step (b) comprises placing the reaction mixture under dry conditions.

26. The method of claim 16, wherein the step (b) comprises placing the reaction mixture in an argon atmosphere.

27. The method of claim 16, wherein the step (b) comprises subjecting the reaction mixture to a vacuum force.

28. The method of claim 16, wherein the step (b) comprises adding heat to the reaction mixture.

29. The method of claim 25, wherein the step (b) results in the production of a cross-linkable polymer.

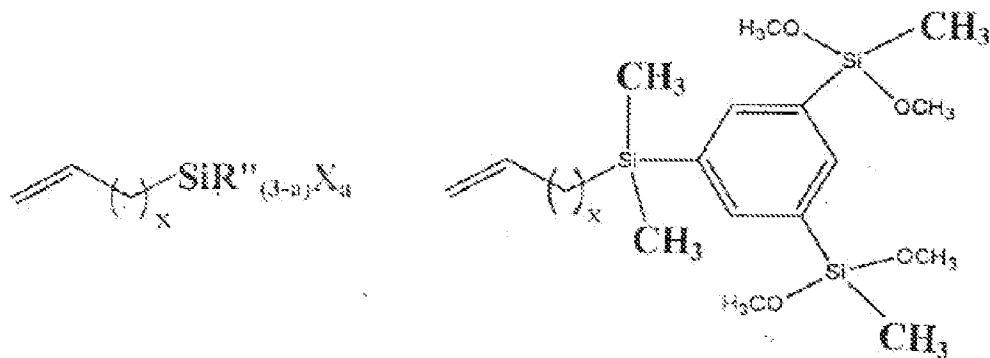
30. The method of claim 29, further comprising exposing the cross-linkable polymer to water to form a cross-linked polymer.

31. The method of claim 30, wherein the water is atmospheric moisture.

In Claim 37 (page 5, 2<sup>nd</sup> line from bottom), delete "C is a chain-end cross-linking molecule;".

In Claim 37 (last line), after "equal to 2", insert --; and

C is a chain-end cross-linking molecule derived from a compound selected from:



wherein:

x is an integer greater than or equal to 2,

R'' is any hydrocarbon,

X is OMe, OR'' or NR'', and

coefficient a is an integer ranging from 0 to 3 --.

5. Claim rejection(s) under 35 USC 112 in the previous Office Action (Paper No. 070707) is/are moot.

***Allowable Subject Matter***

6. Claims 16-20, 22-31 and 37-39 are allowed.
7. The following is an examiner's statement of reasons for allowance:

The present claims are allowable for at least the following reason(s) over the closest reference: Brezezinska (Journal of Polymer Science, Part A: Polymer Chemistry, vol. 38 (2000), 1544-1550).

Brezezinska discloses a poly(carbosilane-co-carbosiloxane) by copolymerizing the corresponding carbosilane and carbosiloxane precursors, which has a latent methoxy group. Compound 5 should possess alkenyl groups at the chain ends because of the acyclic diene metathesis method used for preparing the copolymer, which are crosslinkable groups. However, Brezezinska does not teach or fairly suggest the polymer set forth in Claims 37 and Claim 39.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kuo-Liang Peng whose telephone number is (571) 272-1091. The examiner can normally be reached on Monday-Friday from 8:30 AM to 5:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jim Seidleck, can be reached on (571) 272-1078. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Klp  
February 11, 2008

/Kuo-Liang Peng/  
Primary Examiner, Art Unit 1796